

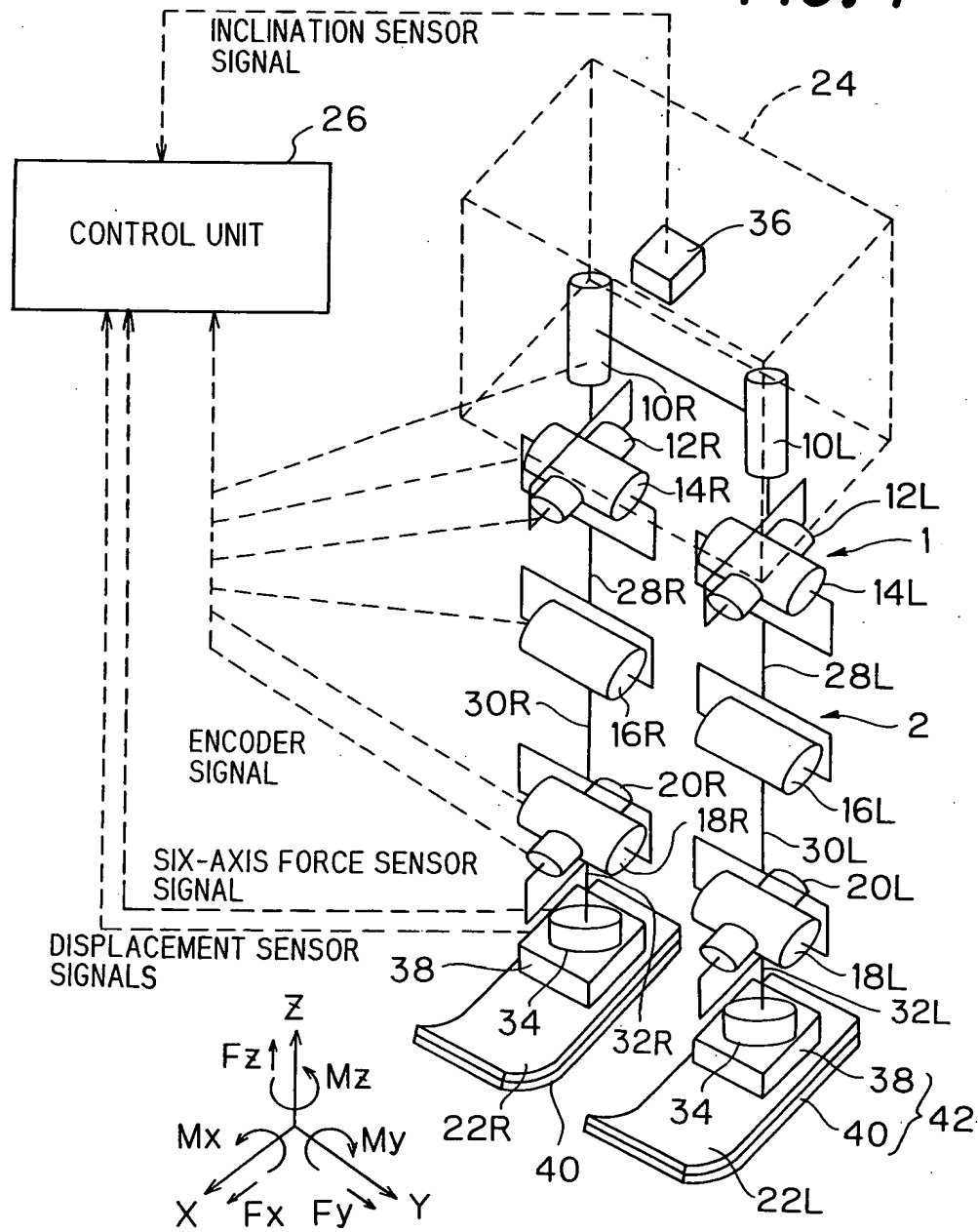
**FIG. 1**

FIG. 2

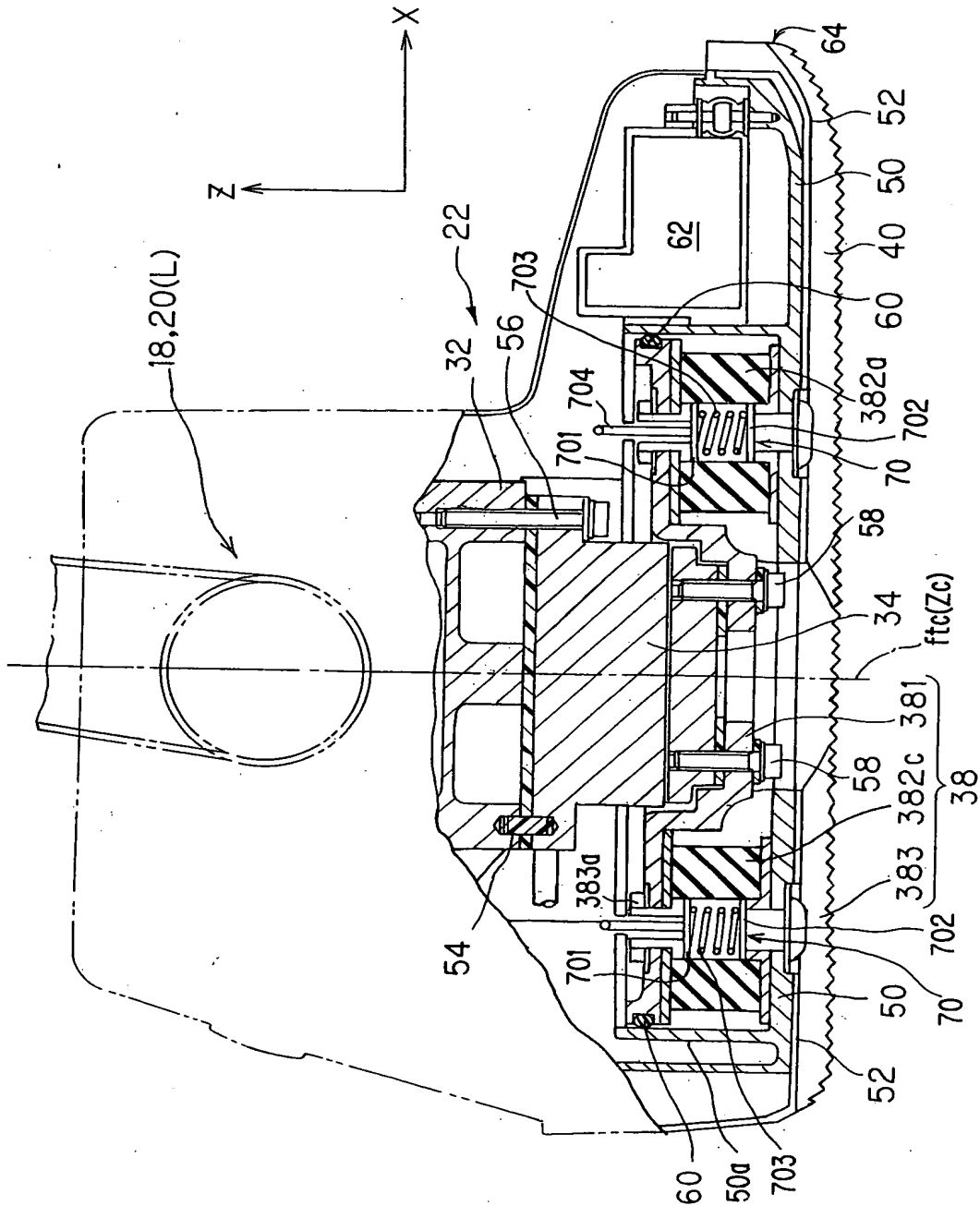


FIG. 3

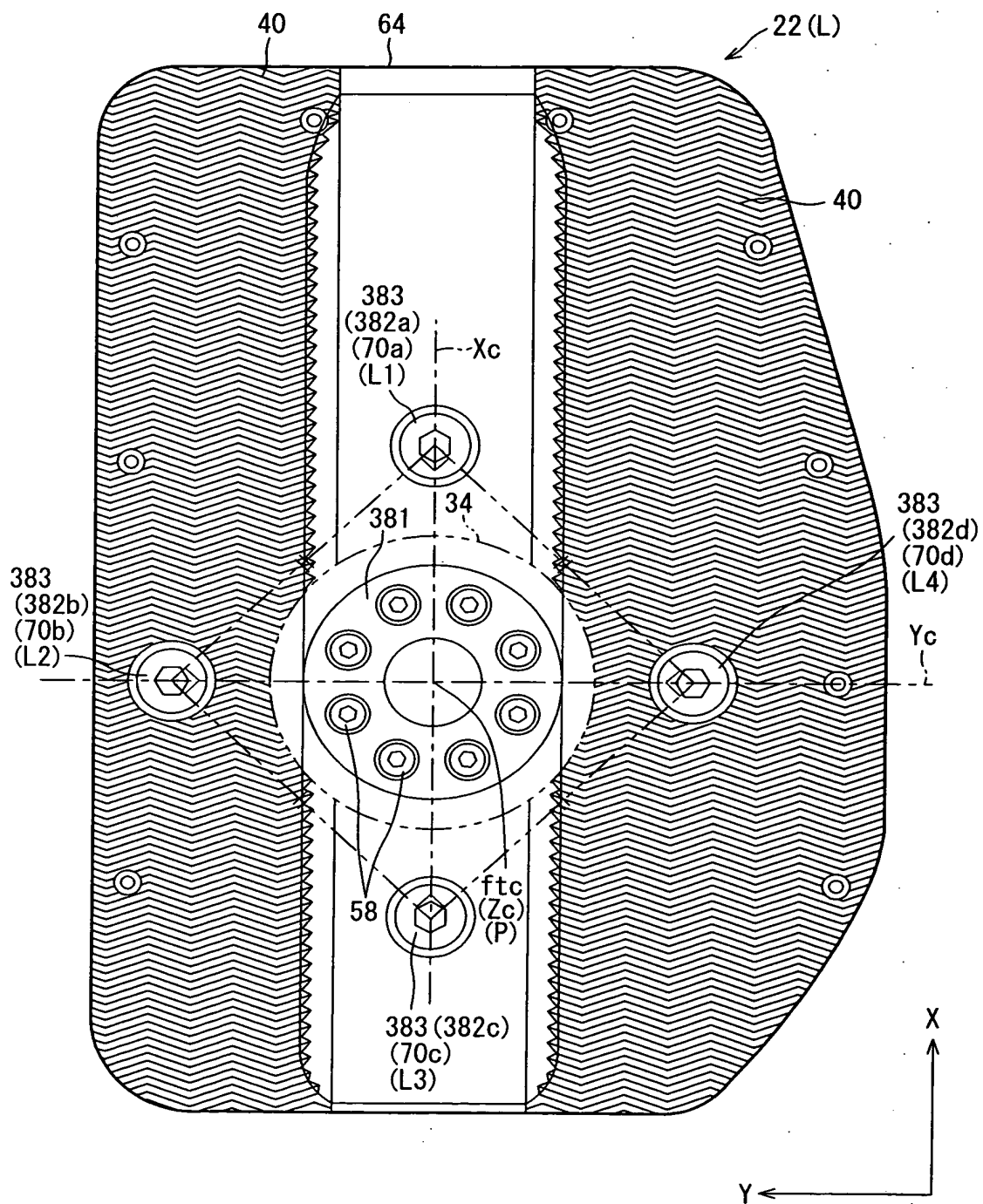
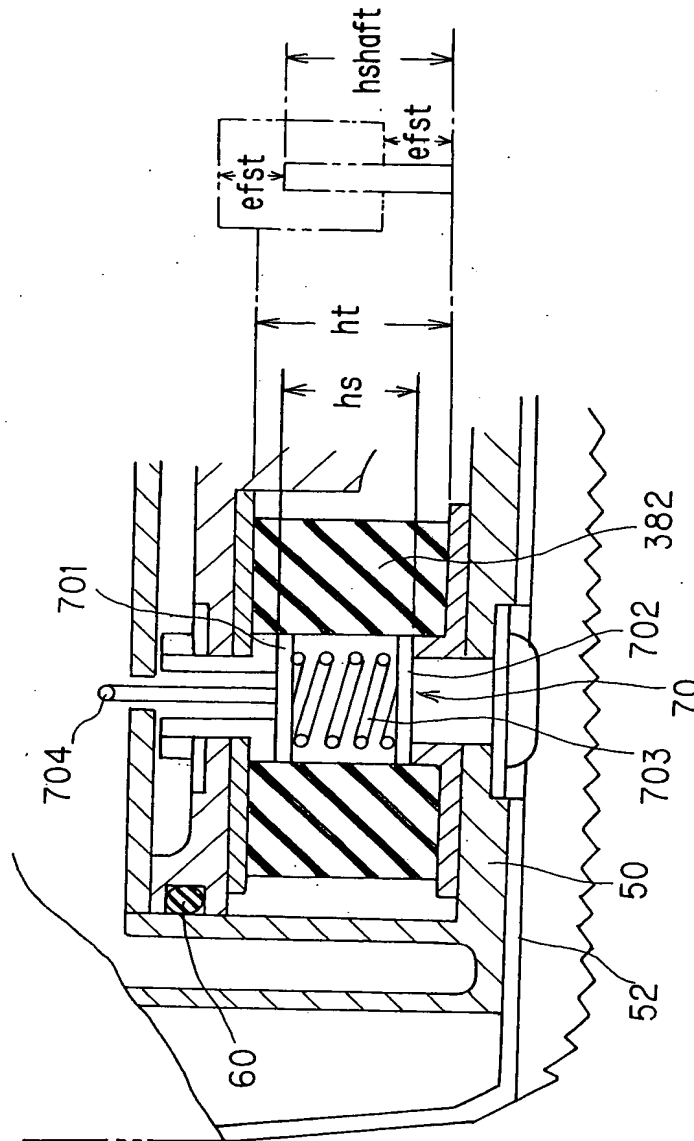
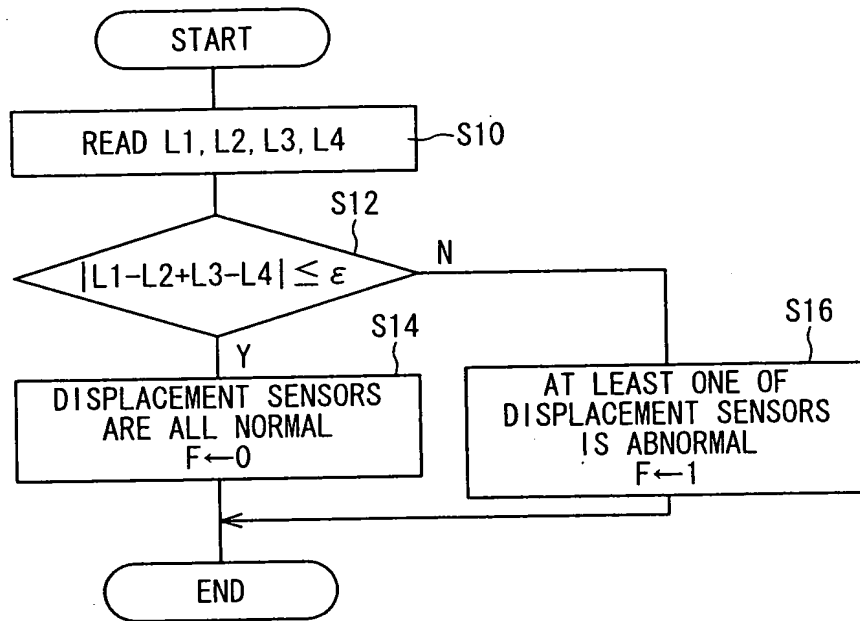
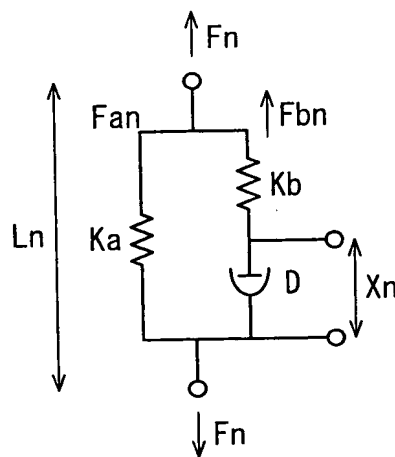


FIG. 4



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**FIG. 5****FIG. 6**

$$\begin{aligned}
 F_n &= F_{an} + F_{bn} \\
 F_{an} &= -K_a L_n + C_1 \\
 F_{bn} &= -K_b (L_n - X_n) + C_2 \\
 F_{bn} &= -D * \frac{d}{dt} X_n
 \end{aligned}$$

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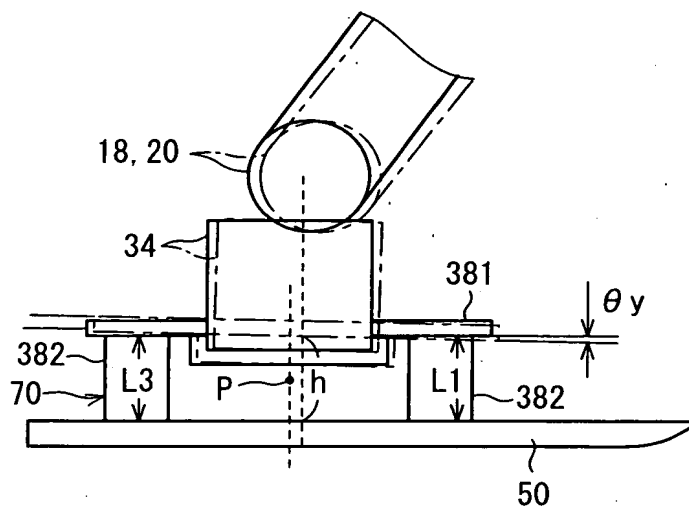
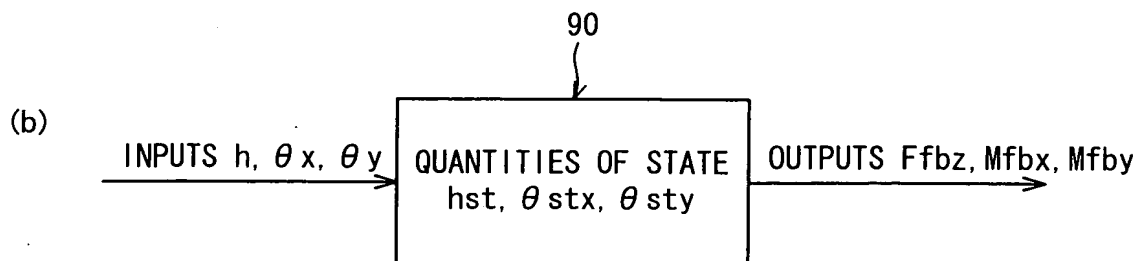
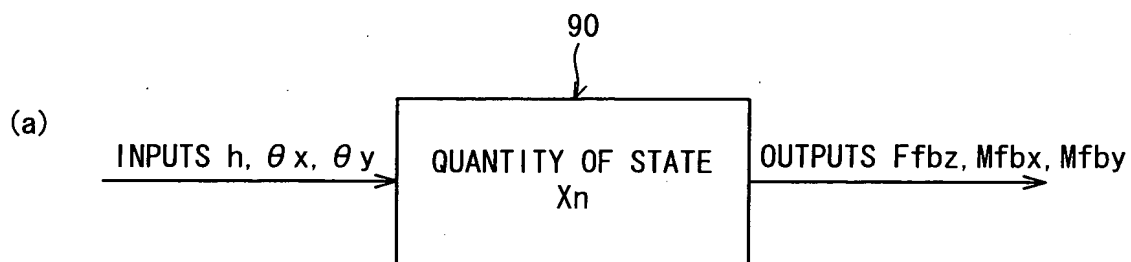
**FIG. 7****FIG. 8**

FIG. 9

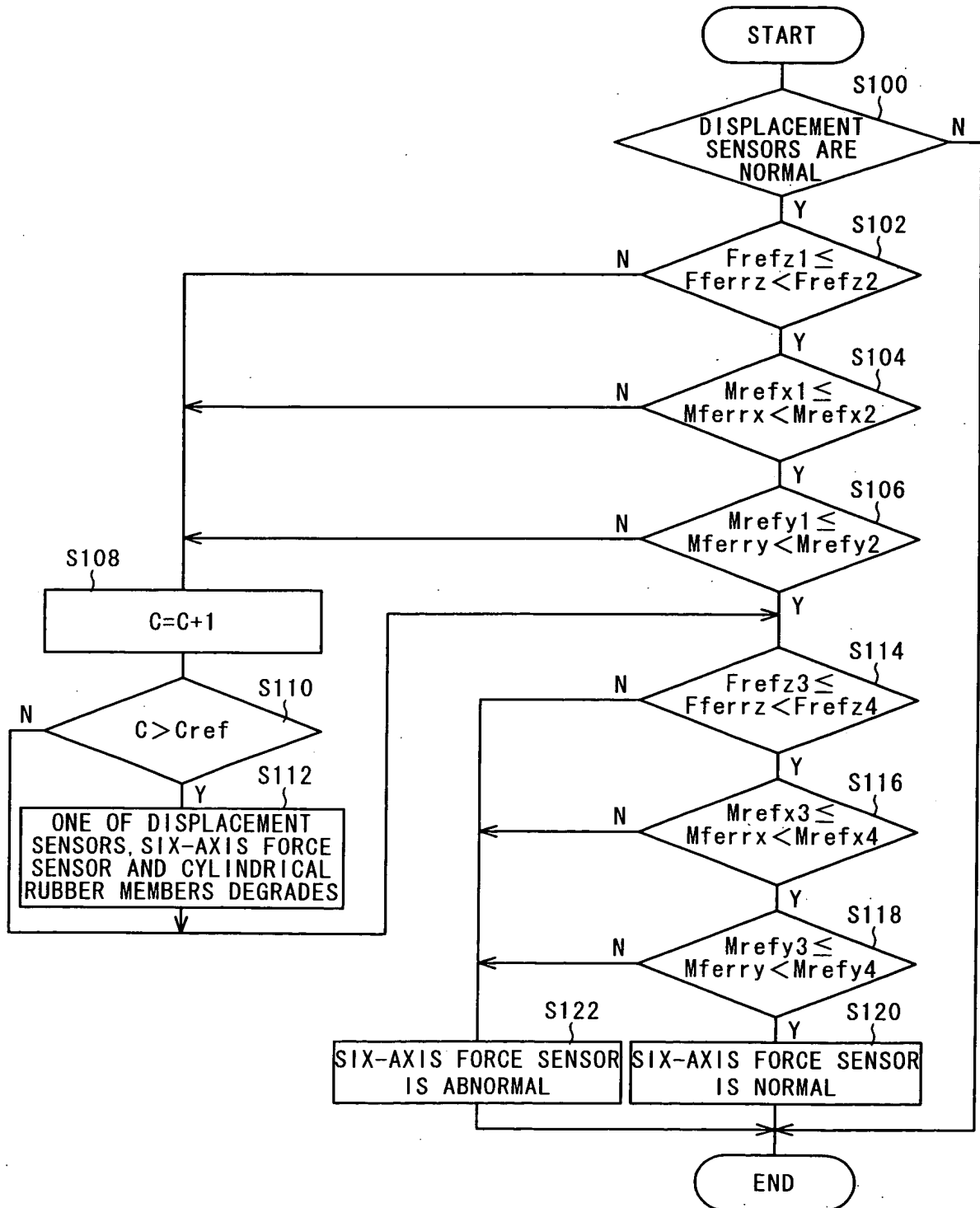


FIG. 10

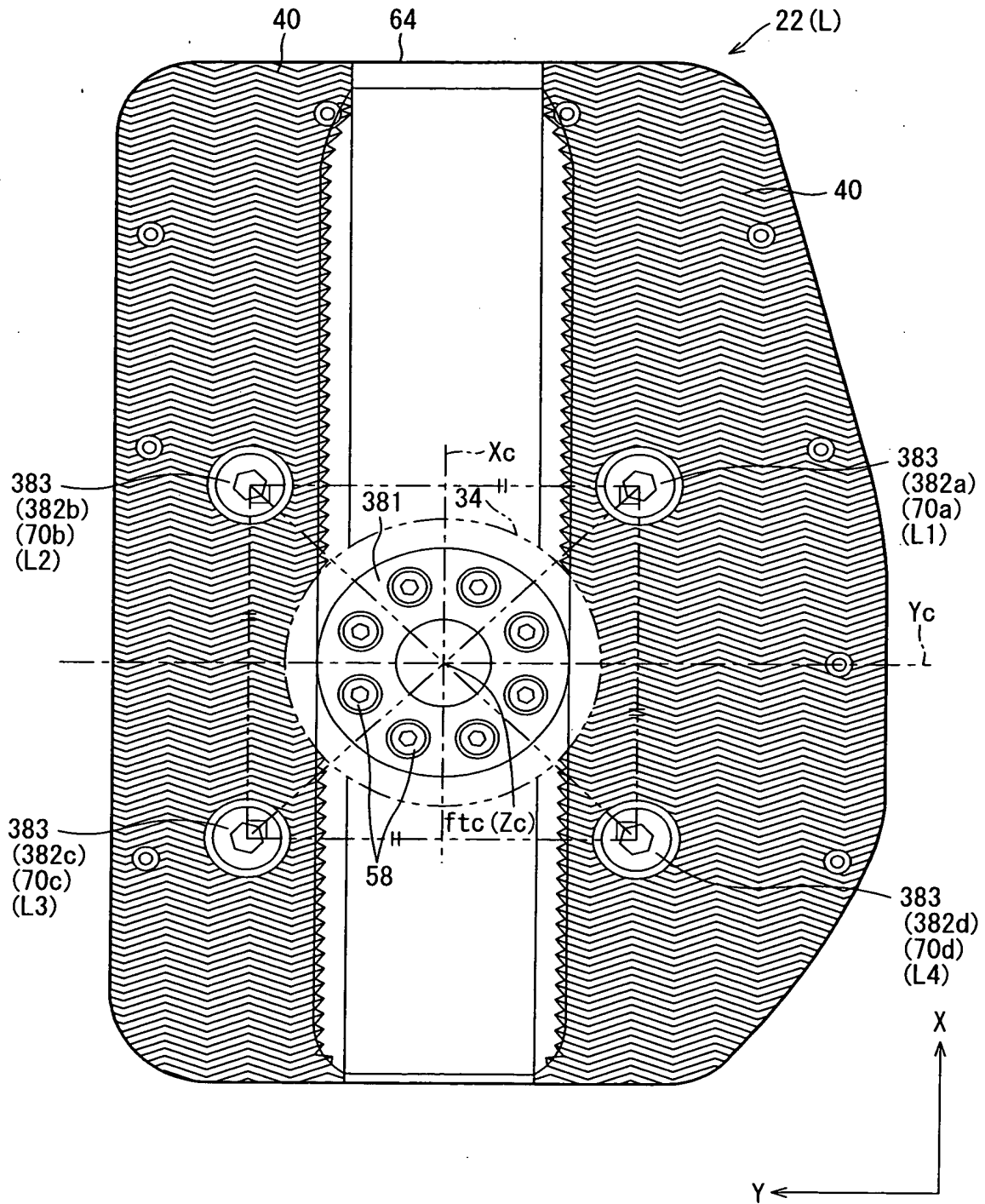
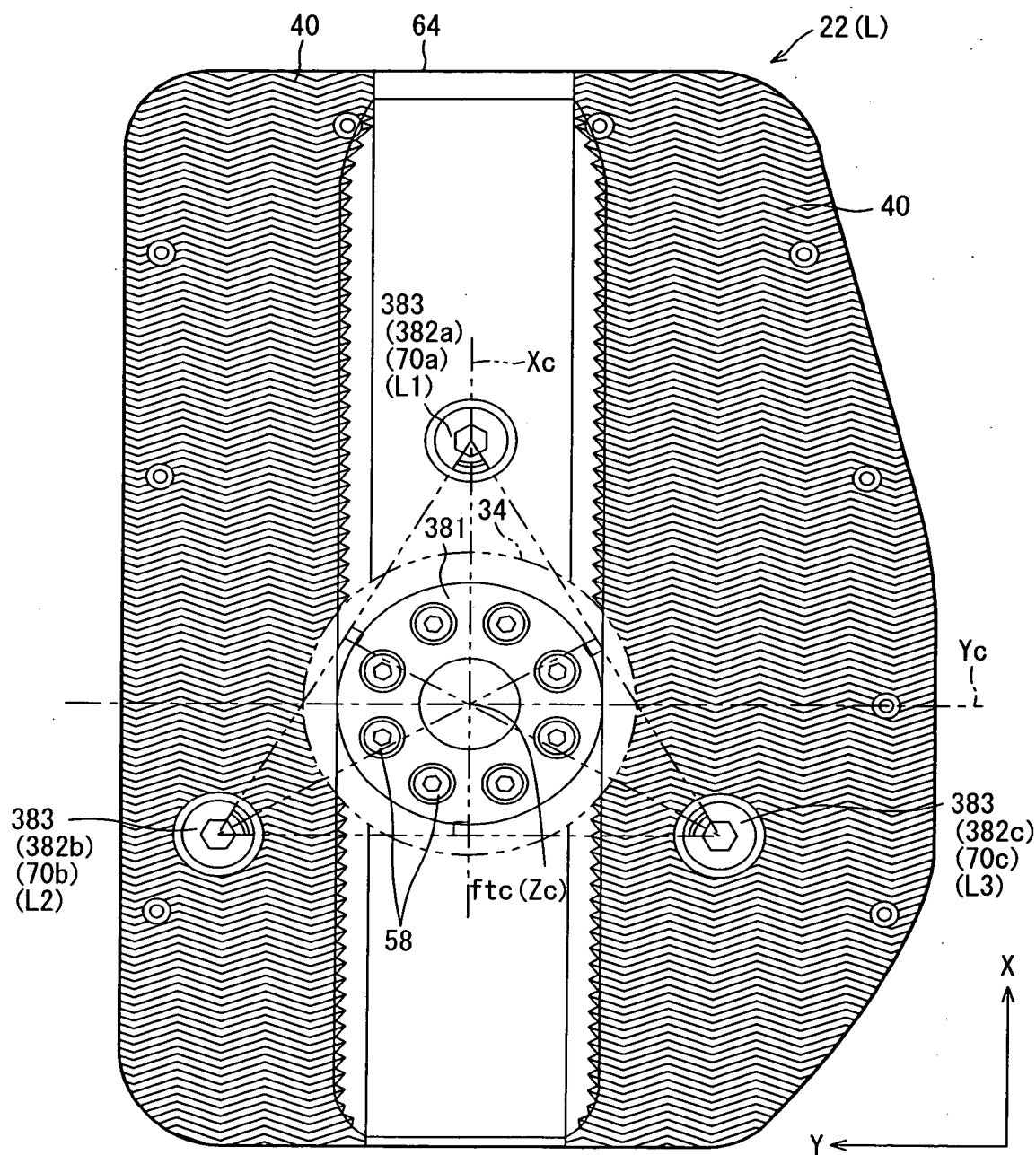
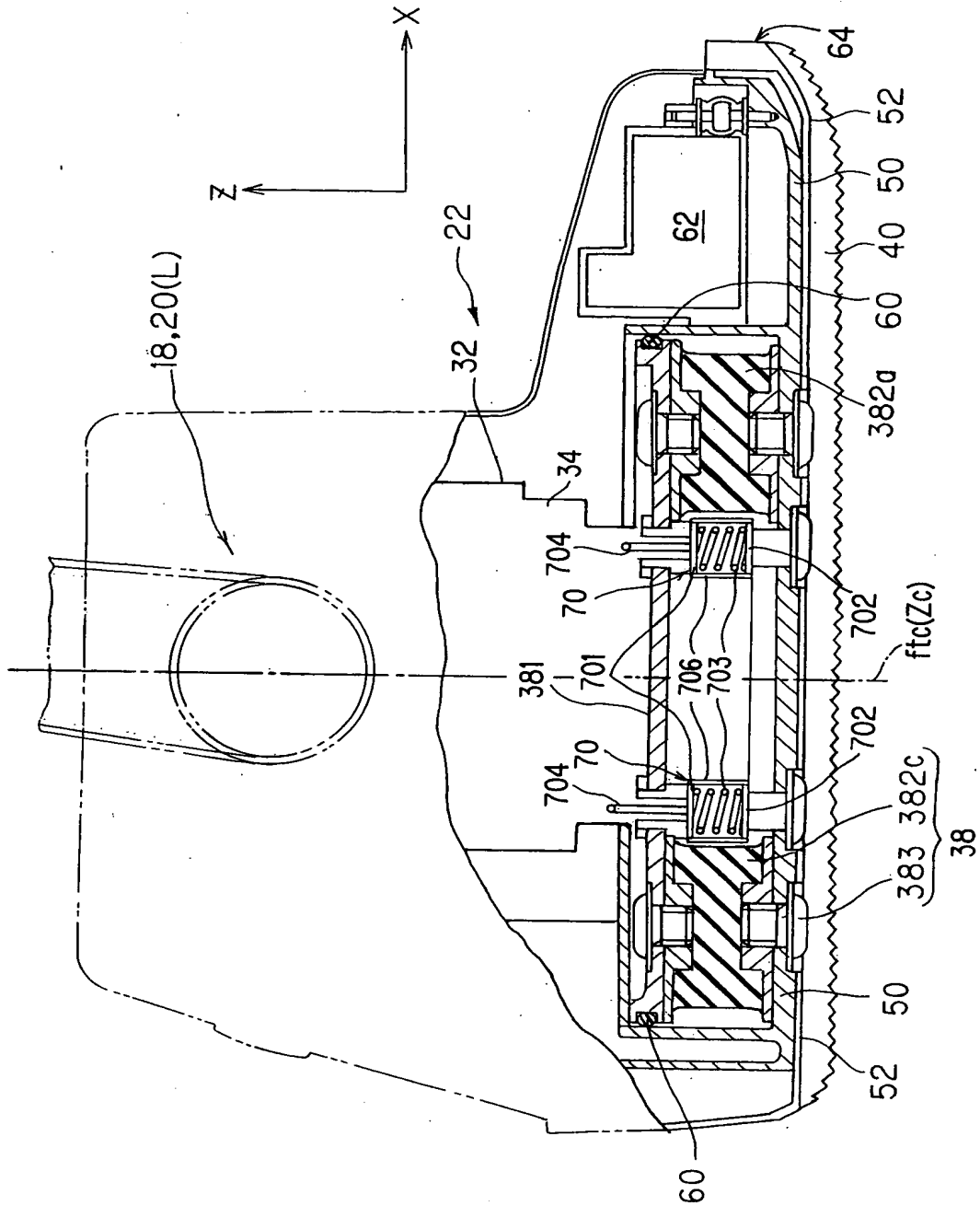


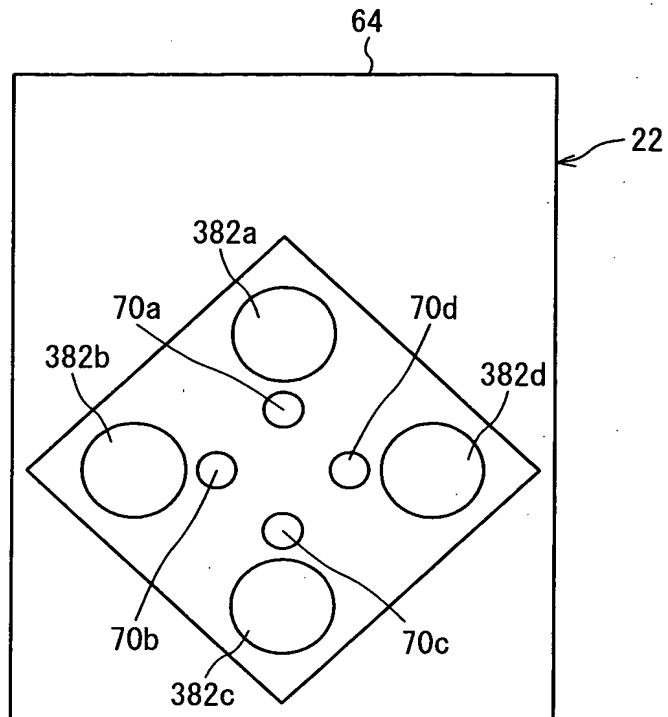


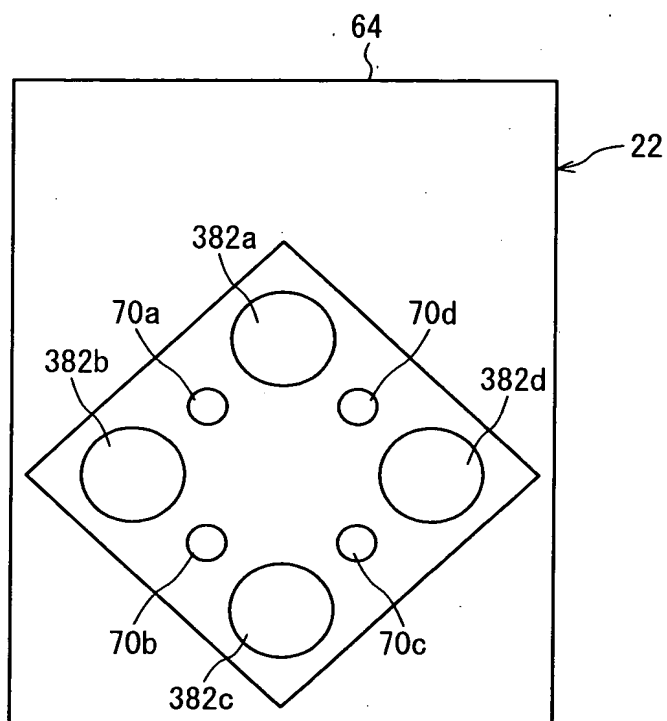
FIG. 11



**FIG. 12**



**FIG. 13**

**FIG. 14**

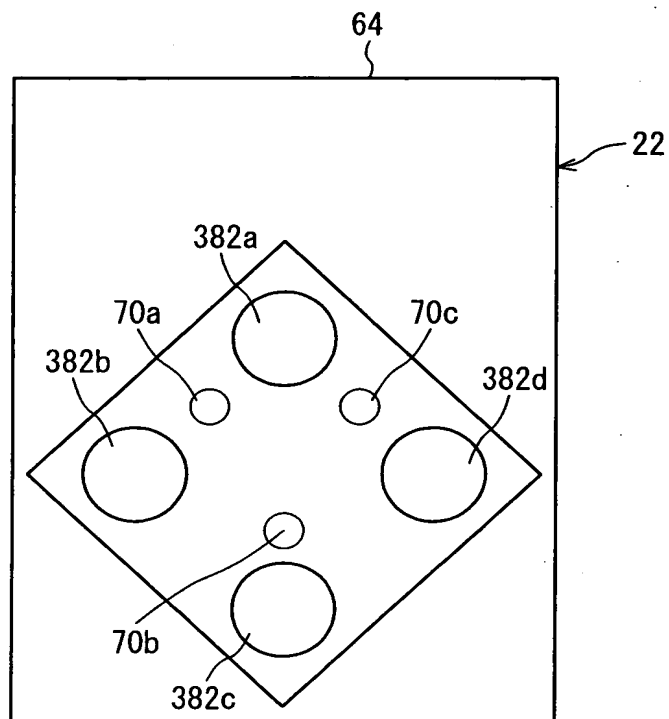
**FIG. 15**

FIG. 16

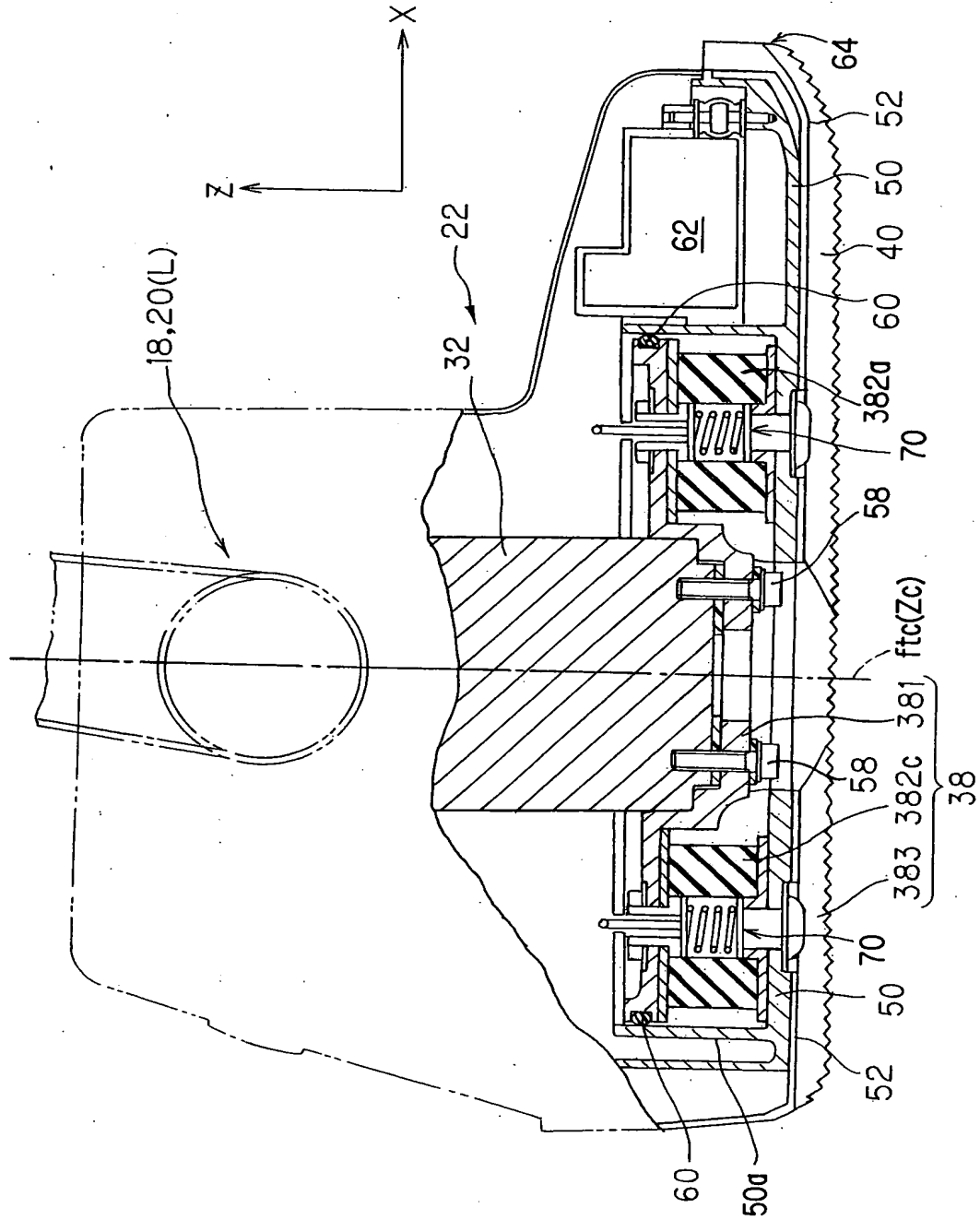


FIG. 17

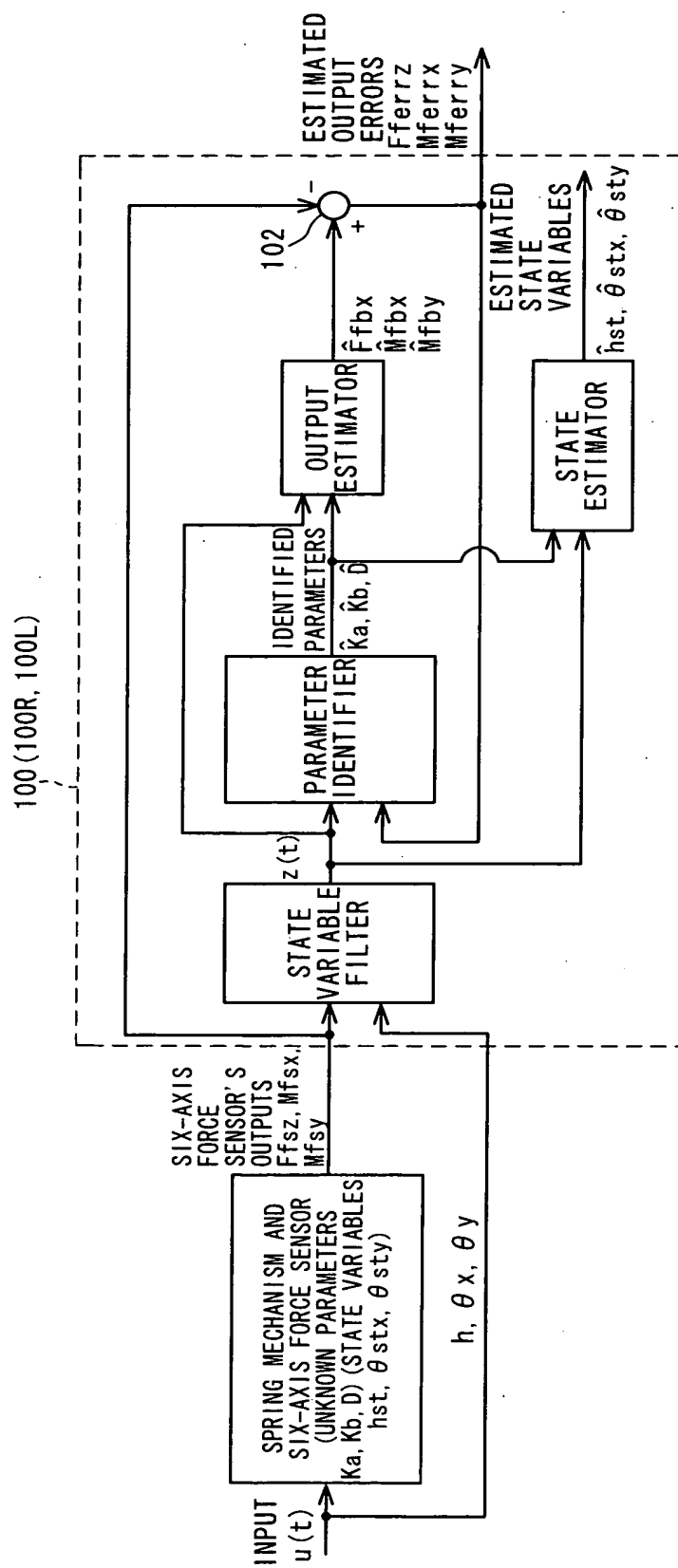
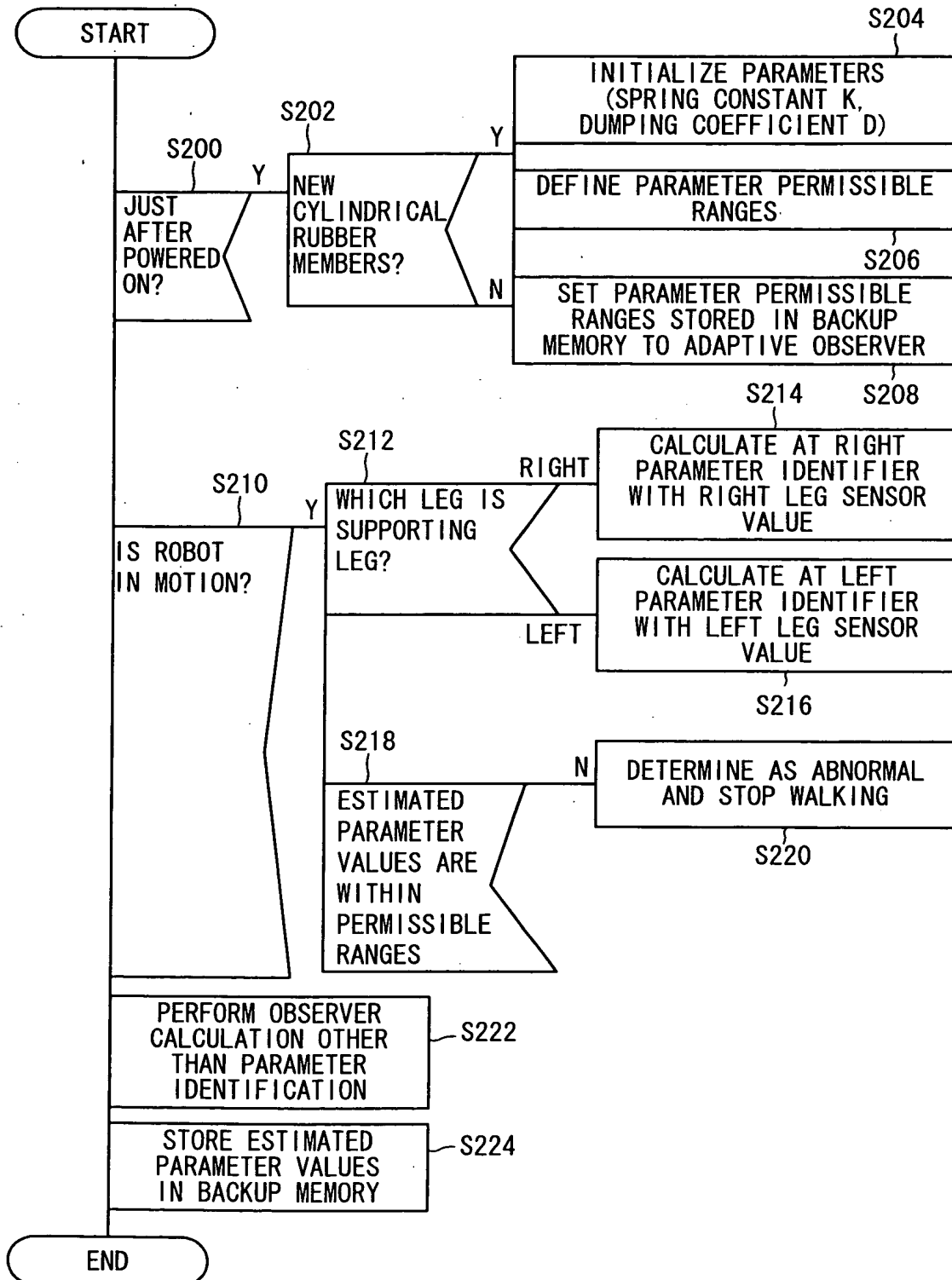


FIG. 18





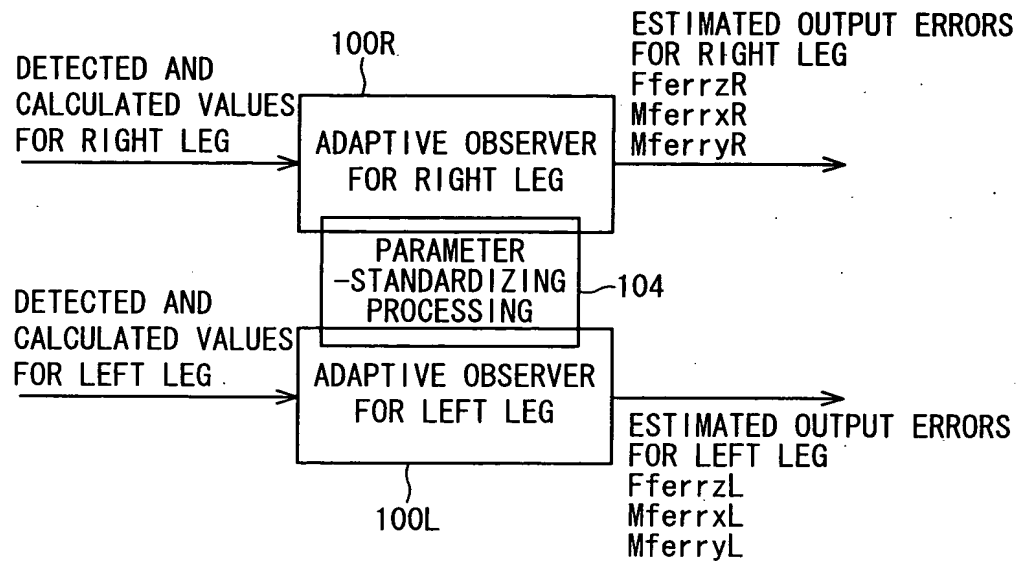
**FIG. 19**

FIG. 20

